User's Manual

BV8967B

Bluetooth®-Enabled Single DIN In-Dash DVD/MP3/CD Receiver with 7" Widescreen Touch Screen Digital TFT Monitor

with Dual (Front and Rear)USB and SD Memory Card Ports and Front Panel AUX Input

RDS COMPATIBLE MODEL

BV8967B

Bluetooth®-Enabled In-Dash DVD/MP3/CD Receiver with 7" Widescreen Touch Screen Digital TFT Monitor

with Dual (Front and Rear)USB and SD Memory Card Ports and Front Panel AUX Input

RDS COMPATIBLE MODEL

12.2011

e13

registered in the U.S. and other countries.

tech support: www.bossaudio.com/support

BOSS® AUDIO SYSTEMS

• 3451 Lunar Court • Oxnard, CA 93030

www.bossaudio.com

800.999.1236

BOSS® AUDIO SYSTEMS

Boss Audio Systems is not affiliated with Apple, Inc.

CONTENTS

Panel Introduction 02
Basic Functions 03
Remote Control Function 04
Turn the Unit On/Off 06
Enter into the Main Interface 06
Play SD card/USB memory device 06
Radio Function Operation 07
Disc Function Operation 08
Play/Eject Disc 08
DVD/VCD Disc Playback 08
CD Disc Playback 08
MP3/WMA Format Disc Playback 08
Touch Menu Function 08
Bluetooth Function Operation 10
External input operation 11
Other Function Operations 11
Rear view function 11
General setting 12
Time setting 12
Language Setup 12
Video Setup 12
Audio setting 13
Steering Wheel Setup 13
Touch calibration 13
Wiring Diagram 15
Trouble shooting 16
Specifications 17
Accessory 18
DVD Parental control function 18

ACCESSORY

Accessory	Quantity
Wire	1PC
USB Cable	1PC
Keys	2PCS
Install metal bar	1PC
Remote controller	1PC
Warranty card	2PCS

DVD Parental control function

DVD Parental control function

★DVD Parental control function： The default set for DVD is #8 adult, which means all grades of DVD can be read without entering password.To change the default grade,you need to follow the below procedure: Press SETUP button on the remote, display will show the system set up menu and the submenu,select password and enter 0000, you will be able to choose the DVD grade as default.

SPECIFICATIONS

Power supply ---------- DC 12V
Power range ---------- 10.8-16.0V DC
Max operate current ---------- 10A
Ground system---------- Negative ground
Amp Rating ---------- **80 WattsX4 Channels**

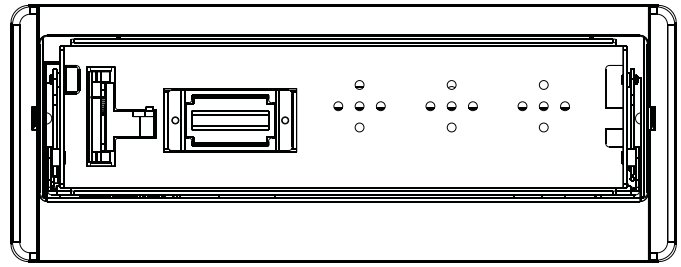
FM tuner
European frequency range---------- 87.5-108MHz
USA frequency range---------- 87.5-107.9MHz
Signal/Noise ratio ---------- 55dB
Stereo separation---------- 30dB
Search station volt ---------- 20-30dBuv
Distortion rate---------- 1.5%

AM tuner
European frequency range---------- **522-1620kHz**
USA frequency range---------- **530-1710kHz**
Limit noise sensitivity---------- 32dB

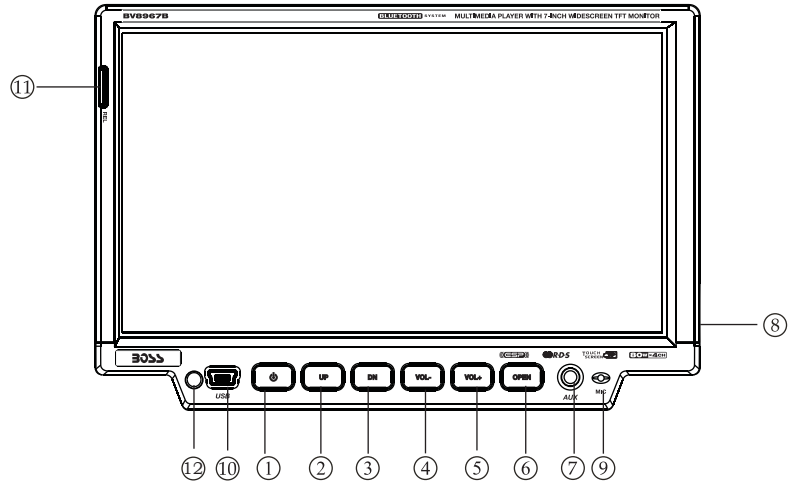
DVD PLAYER
Signal/Noise ratio ---------- 70dB
Frequency response---------- 20Hz-20KHz

This unit is with switchable frequency.
You can switch from USA frequency to Europe frequency by following the below steps:
Step1. In main menu, press setup icon to enter the setup interface.
Step2. Press the Radio icon,and insert password 123456, then press “OK”, the menu from which you can select the radio frequency will show.
Step3. Press “Radio region” and select the desired frequency by pressing the "up" and "down" arrow, then press it and setting is finished.

Panel Introduction



Detachable front panel
Press RELEASE button to take off the panel.



1.SOURCE Button
2.UP Button
3.DN Button
4.VOLUME- Button
5.VOLUME+ Button
6.OPEN Button
7.AUX IN
8.SD Slot
9.MIC Input
10.USB Slot
11.RELEASE Button
12.Remote Control Receiver

BASIC FUNCTION

1. SOURCE Button
Press this button to power on. Press it shortly to switch audio source mode.
At AUX IN mode, press it longer to power off.

2. UP Button
Press this button to make the LCD monitor up.

3. DN Button
Press this button to make the LCD monitor down.

4. VOLUME - Button
Press this button shortly decrease volume level one step by one step. Press this button longer decrease volume level continuously.

5. VOLUME + Button
Press this button shortly Increase volume level one step by one step. Press this button longer Increase volume level continuously.

6. OPEN Button
Press this button can eject the disc.

7.AUX IN
External connected audio input.

8. SD Input
Connect the SD memory card to this socket, and the unit can play MP3 music.

9.MIC Input
Bluetooth MIC input.

10. Dual (front and rear)USB
⚠Warning :You can only use either front or rear USB at a time.Never connect both front and rear USB at the same time! This could cause malfunctions.

11.RELEASE Button
Press this button to release the panel.

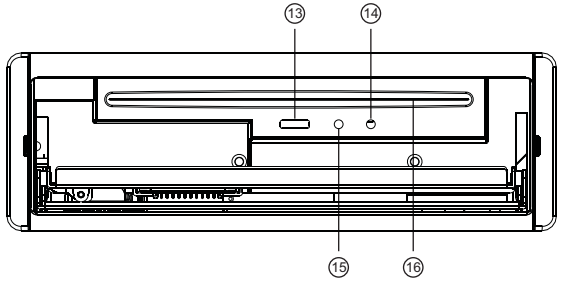
12.Remote Control receiver
It is able of receiving infrared signals launched by the remote control matching the unit.

13. Slot indicator light

14. RESET Light

15. RESET Button
Press this button and this unit will be restored to the initial state.

16. Disc Slot



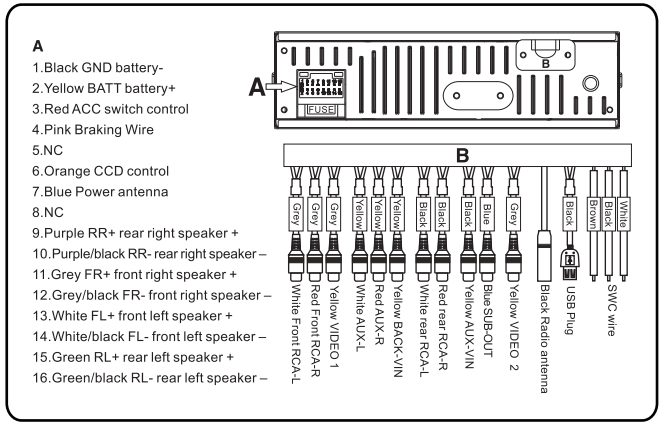
TROUBLE SHOOTING

PROBLEM	CAUSE	SOLUTION
Cannot power on	Check fuse	Change fuse same as the old one
	Some factors cause MPU wrong operation	Press RES button on the panel by penpoint, then, power on
After ignition switch off ,setting information all lose	Change battery or fuse	Reset information and save
Poor performance of radio station	Weak signal	Move the car to another place, then research
Connot load disk	There is a disk inside	Remove disc before inserting another one
Cannot play disc	Disc is scratched	Change new disc
	Put wrong side of disc into the unit	Insert in the disk with sign side up
	Lens is dirty	Clean lens by lens clean disc
Cannot switch language/subtitle	There is only one language/ subtitle in disc	If disc is not with multi-language/subtitle, it cannot switch language/subtitle
No image	Other factors cause MPU wrong operation	Press [RES] button on the panel by penpoint, then, power on
Cannot watch image during driving	It's not allowed to watch image during driving	Park the car in a safe place, put the car stall in " P " postion, pull up the hand brake, parking brake wire must be grounded

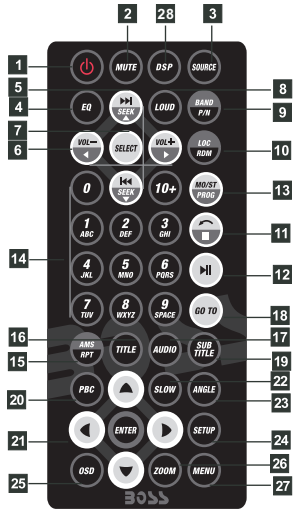
WIRING DIAGRAM

This player is equipped with ISO standard connector, please follow below instruction:

- Red - ACC ON (+12V)
- Yellow – 12 V Constant
- Black – Ground wire
- Blue - Power Antenna / Remote Amp Turn On
- Orange – Back-Up Camera Trigger (+)
- Grey/Grey black - Right front speaker (+/-)
- White/White black - Left front speaker (+-)
- Purple/Purple black - Right rear speaker (+/-)
- Green/Green black - Left rear speaker (+/-)
- Pink – Parking Brake (-)



REMOTE CONTROL FUNCTION



1	POWER ON/OFF	15	AMS/RPT
2	MUTE	16	TITLE
3	SOURCE	17	AUDIO
4	EQ	18	SET PLAYING TIME
5	SEEK+/SEEK-	19	SUBTITLE
6	VOL+/VOL-	20	PBC/MENU
7	SEL	21	UP/DOWN/L/R ENTER
8	LOUD	22	SLOW
9	BAND/ P/N	23	ANGLE
10	LOC / RDM	24	SET UP
11	STOP	25	OSD
12	PLAY/PAUSE	26	ZOOM
13	ST/PROG	27	MENU
14	0-10+	28	DSP

1. POWER
Press once to switch on, press again to switch off.

2. MUTE Button
Press once to turn off audio output, press again to resume volume level.

3. SOURCE Button
Press this button to choose audio sources.

4. EQ Button
Press this button to choose POP, ROCK, CLASSIC EQ off.

5.SEEK+ (⏭)/ SEEK- (⏮)button
In normal playback MP3, USB, SD songs, press this button to previous song or next song.

6. VOL + (→) / VOL - (←)
Press this button to increase or decrease volume level.

7. SEL Button
Press this button to choose sound feature.

8. LOUD Button
Press this button to startup LOUD function.

9. BAND - P/N Button
In radio mode, press this button to choose band. In VCD, DVD mode, press this button to choose AUTO, PAL or NTSC system.

10. LOC/RDM Button
In radio mode, press this button to switch between local and direction. In VCD, CD mode, press this key to randomly play.

11. STOP Button
Press this button to stop playing.

12. PLAY/PAUSE Button
Press this button to switch between play and pause. In stop mode, press this button to play.

13. ST/ PROG Button
In radio mode, press this button to choose stereo or mono station. In audio mode, it can help STOP button to programmed play.

14. 0 - 10 + Button
Press this button to choose desired song, section, preset stations.
* Decimal numbers, for example the 19th song, press 1,9 button;
* Centesimal numbers, for example, the 120th song, press 1,2,0 button.

15. AMS / RPT Button
In radio mode, press this button to browse stored stations. In audio mode, press this button to play repeatedly.

16. TITLE Button
In DVD mode, press this button to play back to the top menu of disc.

17. AUDIO Button
In DVD mode, press this button to switch language of dialogue. In VCD mode, press this button to choose left track, right track, and stereo.

18. SET Playing Time
In DVD mode, press this button, you can define playing time.

19. SUBTITLE Button
In DVD mode, press this button to switch language of subtitle.

20. PBC Button
In VCD mode, press this button to display all song menus, work with number button to choose songs.

21.UP, DOWN, LEFT, RIGHT, ENTER button
When playing MP3, USB, SD returns to song menu, up, down selections can be up / "▲" button or down / "▼" key to select up and down, select and press "ENTER" key to confirm. The selected tracks can be played.
Press the left or right arrow keys to "◄" or "►" key, can be on the next page function operation.

22. SLOW Button
In audio mode, press this button to slow backward and slow forward.

23. ANGLE Button
In DVD mode, press this button to change play angle.

24. SETUP Button
In audio mode, press this button to choose different set items.

25. OSD Display
Press this button to display the title chapter and the left time.

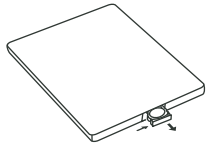
26. ZOOM Button
In DVD/VCD mode, press this button to ZOOM in.

27. MENU Button
Press button to back to the main menu.

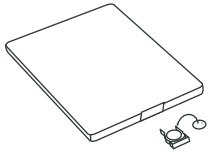
28.DSP
Press this button to show the time.

BATTERY CHANGE
When control distance of remote control becomes shorter or no function, please change battery. Please confirm polarity before change.

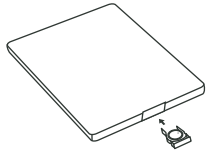
One hand press stopper, then pull out battery.



Put battery into controller.



Insert battery holder into controller.



Calibration to re-gain touch

✦ Please follow the below instructions to calibrate when there is no touch or touch is not accurate.

Step 1 : Press the mode button in the unit to switch to DVD mode.

Step 2: Insert a DVD disc, after DVD is loaded, press the stop button " ⏹ " (as show in picture 1.) in the remote short, the unit will display as show in picture 2.

Picture (1)

Picture (2)

Step 3: Press " ZOOM " in the remote as show in picture (3), the unit will display as show in picture (4)

Picture (3)

Picture (4)

Step 4 : Press "▲" button in the remote and then quickly press "▼" button as show in picture (**5**) and you will enter the touch calibration interface as show in picture (**6**).

Picture (5)

Picture (6)

Step 5: User the touch pen to touch the center of the cross cursor, the cross cursor will move from the center to top left corner, top right corner, right down, left down, when the cross cursor stop at each corner, touch the center of the cursor. Then the panel will display OK and leave the calibration interface and the unit regained touch as show in picture (**7**).

Picture (7)

Audio setting

Click icon on setup interface to access audio setting interface, as shown in right(PIC 1) diagram:
You can turn on or turn off the existing functions on audio setting interface.

PIC 1

Steering wheel setting

I. Click icon on setup interface so as to access steering wheel setting interface.
II. Connect anode and cathode of direction control wire of the car with anode and cathode of direction control wire of this device, and press the buttons on steering wheel one by one and record the corresponding sequence and functions.
III. Click the button of steering wheel needs to be allotted so as to select the corresponding setting function, such as volume +.
IIII. Buttons on steering wheel shall display the corresponding functions, such as volume + .

- To modify function settings, repeat procedures 3~4.
- To reset functions, click [Reset] icon, all the settings set before shall be cleared, repeat procedures 3~4 for resetting.

Touch calibration

If touch calibration error occurs, you can adjust the touch coordinate by “Touch calibration”.
Click icon on setup interface, input password [888888] to confirm to access touch calibration interface, as shown in below diagram:

Touching methods

Use touch pen to click the center of “+” icon, and move along with center of “+” icon so as to calibrate the screen. It shall automatically save data and exit after screen calibration.
Please accurately click all positions on screen, or the accuracy of touch calibration shall be affected.

Turn on/off Host

When the ignition switch is put in ACC or ON position,Press[⏻] button on the front panel to turn on the unit.After the host starts, hold [⏻]button for 3 seconds , the host will turn off.

Access main interface

In the other mode, click on the interface to return the icon will switch to the main interface.

Touch the function icons so as to access the corresponding function operations.

USB/SD Card function operation

When there is a USB device/SD card connected, the unit can conduct the playback of audio/video/ image files in the USB device/SD card.

Insert/Eject USB storage device

1. Connect a USB recorded with media information to the unit by a USB connecting cable.
2. When there is a need to eject the USB device, exit the USB device playback screen first, and then take out the device.

Insert/eject SD card

1. Insert a SD card recorded with media information into the SD card slot in the unit correctly until it is locked.
2. When pulling out the SD card, exit SD card playing state first, then press the SD card and it shall pop up after unlocking.

Enter/exit

Insert a USB storage device or SD card to automatically play data contained in it. If the unit has connected with a USB device or SD card, touch[USB]icon in the main interface to enter into the external storage playback interface; Touch[SD]icon to enter into the SD card playback interface. During playback, touch the top center area of the screen to pop up the touch menu, operate touch menu to perform various playback controls.

Play

After SD card/USB removable device being read out, the operation methods are similar to disk operation methods.

Radio Function Operation

★Enter/exit

Touch [RADIO] icon in the main interface to enter into the radio interface.

Touch icon to return to main interface, and then touch other function icons so as to exit radio mode.

★Band selection

Click [BND] icon so as to switch among FM1,FM2, FM3, AM1, AM2 bands.

★Search/Save radio stations

- Short press [**Scan**] icon to browse the stored radio stations.
- FM band can save 18 radio stations (Six stations for FM1/FM2/FM3), AM band can save 12 radio stations (Six stations for AM1/AM2).

★Scan radio

Short press ◀▶ icon to manually fine-tune radio stations upward/downward.

Long press ◀▶ icon to automatically search and save radio stations.

★Sound setting

Click [**EQ**] icon can switch to different sound mode.

★Mute on/off

Click [Mute] icon to turn on/off mute function

★TFT on/off

Click icon to turn off TFT, and then click the screen area so as to turn on TFT.

Click icon so as to slide screen angle.

RDS Function

RDS function provides series information (such as traffice information, name of station), and can automatically switch to the station with stronger signal and carries the same program.

AF: touch the button to turn on/off AF mode

TA: touch the button to turn on/off TA mode

PTY: touch the button the screen displays program types, users can search station according to program type

If the unit does not have RDS function, it has no AF/TA/PTY function. The corresponding icon appears grey.

Access setup interface

Click [Setup] icon on main interface to access setup interface.

General setting

Click icon on setup interface to access general setting interface, as shown in below PIC 1 diagram:

In general setting interface, you can select to turn on or turn off the existing functions. You can set wallpaper and opening picture you like and check version number of DV/DC, click icon to browse up/down.

Wallpaper selection

Click icon on wallpaper bar , irection icon shall pop up, click it to select wallpaper.

Opening picture

Click icon on opening picture bar , irection icon shall pop up, click it to select opening picture.

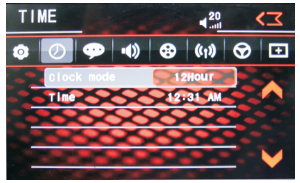
Time setting

Click icon on setup interface to access time setting interface, as shown in below PIC 2diagram:

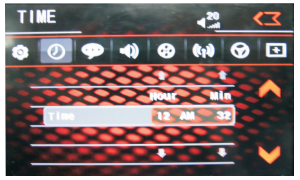
Click icon on time bar time setting interface shall display, as shown in below PIC 3 diagram:

Click icon beside hour and minute to separately set hour and minute.

PIC 1



PIC 2



PIC 3

Language Setup

During use, you can select your familiar language to display menu by language setup.

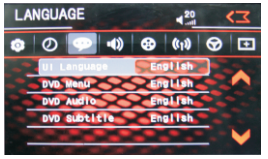
Click icon on setup interface to access language setting interface, as shown in right (PIC 4) diagram:

Click the corresponding icon on the language bar desired to be set so as to switch the language type, when there are more than 3 languages, direction icon shall pop up, click it to select your familiar language.

Video setting

Click icon on setup interface to access video setting interface, as shown in right (PIC 5) diagram:

At video setting interface, you can adjust brightness, contrast, saturation and hue of the video.



PIC 4

PIC 5

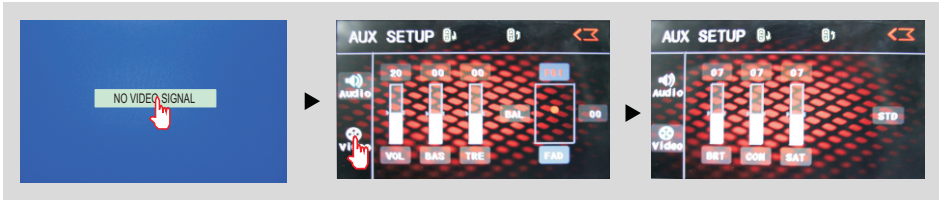
External input operation

Connect the video input plug with external video input jack, and connect the audio input plug with external audio input jack.

Touch [Input] icon on main interface to access external input interface.

Audio – You can adjust thevolume, bass, pitch for input audio.
You can adjust the speaker volume by adjusting the front and back,left and right column.

Video – You can adjust the brightness, contrast, saturation and hue for input video.
You can also choose the video standard mode.



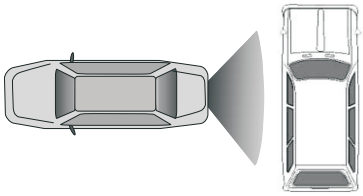
Other functions

Rearview function

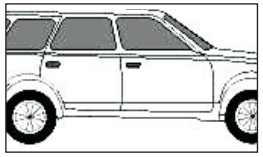
In any running state, the video signal can switch to reverse video state when reversing the car, and the system shall return to its initial running state after reversing the car.

⚠Warning

Do not rely on CCD system completely, please make sure your car is safe by your eyes during driving.Back rearview system only assists in driving. As the distance range of rearview system is limited, completely relying on the rearview system during driving may cause accidents.



Reverse field simulation



Rearview backup image

Disc Function Operation

★Play/eject disc

Play disc

Insert the disc into the disc slot with the printing surface up, system will detect the disc and automatically take it in to read and play.

Eject disc

(1) Click [▲] button on the panel to eject the disc.
(2) If a disc has not been took away 15 seconds after it is ejected, system will automatically take in the disc but not play.
⚠Do not insert two discs or more.

★DVD/VCD disc playback

During playback of disc, touch the middle lower area of the screen to pop up the touch menu, operate the touch menu to perform various playback controls.(**PIC 1**)

★CD Disc Playback

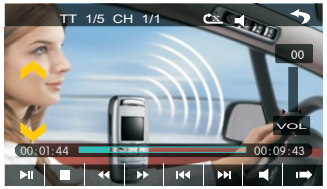
After a CD is inserted, system shall access disk reading state immediately.
When there is a disk in the device, click [Disk] at the main interface so as to access disk reading state.
After the disk being read out, system shall automatically play in sequence.

★MP3/JPEG/MPEG4 disk playing

When the disk contains readable files, such as MP3/JPEG/MPEG4 files, it shall be automatically read out and played after slipping into DVD player.
During playing, touch the screen area and the touch menu shall pop up. Operate the touch menu for various playing.

★Touch Menu Function Description

⏯ — Play/pause
Touch the button to pause, retouch it to continue to play.
⏹ — Stop
Touch the button to enter into prestop status.
⏪ ⏩ — Fast forward/backward
Consecutively touch this button to select the speed of fast-forward/fast-backward.
⏮ ⏭ — The previous/next song
Touch the button to select the previous/next song.
🔊 — Volume adjustment button
Touch this button and volume adjustment modulation shall pop up, touch ◂▸ button to adjust the volume.



PIC 1

—Access next menu
Touch it to access the next menu interface.

—Time setting
Touch this button to access time setting interface.

—Stereo on/off
Touch it so as to turn on/off stereo.

—Return to root menu
Touch this icon, it shall return to root menu of disk in DVD state and access PBC menu playing in VCD state. All chapters in the disk shall be displayed on the interface, touch the chapter icon directly for playing.

—Access title menu
Press this button to return to title menu of the disk. Directly click menu bar at title menu interface for playing.

— Repeat play
In playing state, touch this button to start repeat play function: Chapter repeat — Title repeat — Repeat All — Off.

During VCD playing, this function only works when PBC is off.

—Language selection
Touch this button to select language.

—Digit keyboard
Touch this button and digit keyboard shall appear, click number buttons directly to select tracks for playing.

—Randomly play
Touch this button to instantly play each song. Press again to back to the normal play.

—Zoom in/Zoom out image
Touch this button to zoom in /zoom out the image.

Bluetooth Function Operation

★Enter/exit
Touch [**Bluetooth**] icon in the main interface to enter the bluetooth interface.
Touch icon to exit bluetooth interface.

★Pair/link
To use Bluetooth hand-free function, make connection first, i.e. match the host with the Bluetooth mobile phone.

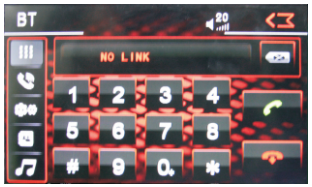
Operation methods:
Set the host to be matching state, and open the Bluetooth of your mobile phone and use the mobile phone to search device, the mobile phone shall prompt to match password with the Bluetooth when it has searched the Bluetooth device.
Input Bluetooth **password (0000)** to the mobile phone and confirm. The mobile phone shall prompt whether authorize to this device,please select [Yes]. Phone and Bluetooth shall automatically connect within 20 seconds. Under any working mode, the host shall convert to Bluetooth state if there is an incoming call. And the host shall restore to current mode after hanging up.

When the Bluetooth device matches with this device, the connection status shall display "Connected", otherwise, it shall display "No connection".

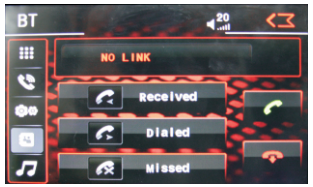
★Dialing
You can dial on mobile phone directly or input phone number through the number buttons on the screen, click to delete if there is input error.
After input the phone number, click to make a call, and click to hang up the phone.
Click during a call so as to switch the voice between car speaker and mobile phone.

★Call records
Click to access call records interface as below PIC 2:
Received calls: Touch this button to check all the phone numbers of received calls.
Dialed numbers: Touch this button to check all the dialed phone numbers.
Missed calls: Touch this button to check all the phone numbers of missed calls.

★ Bluetooth volume
Click to access Bluetooth volume interface as below PIC 3:



PIC 1



PIC 2

PIC 3